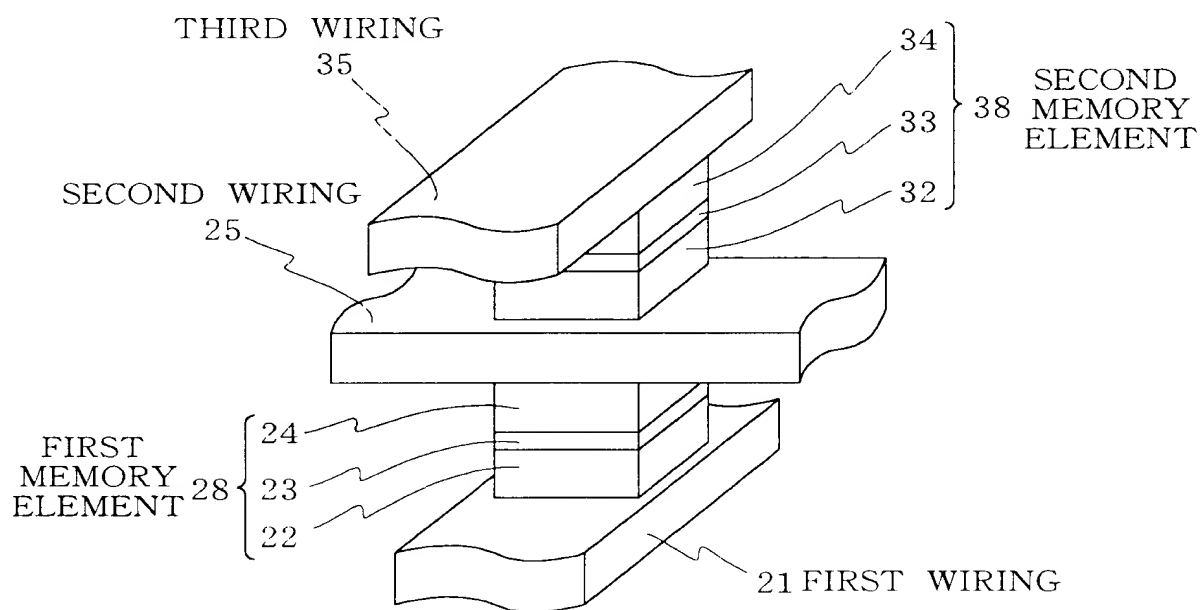
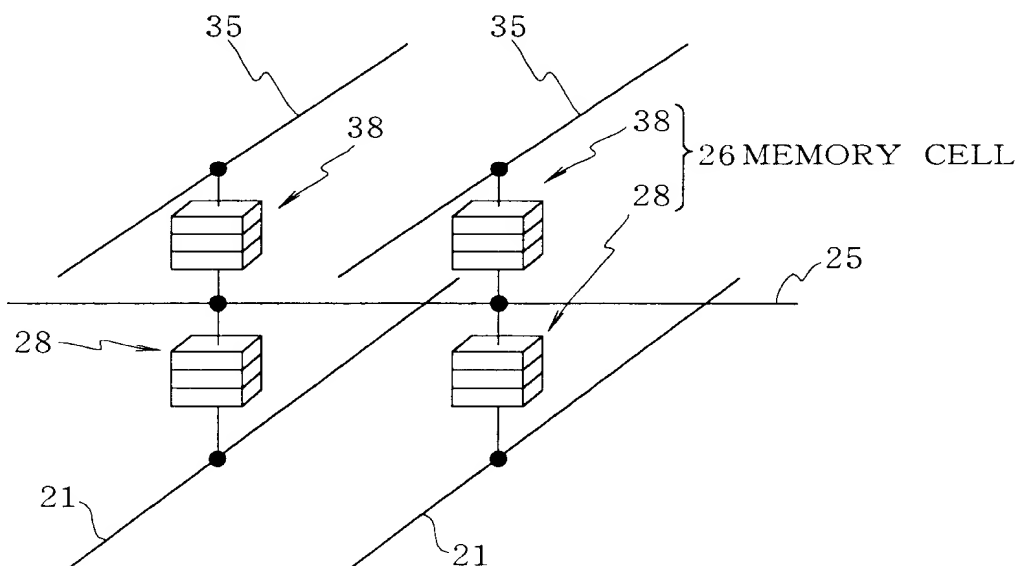
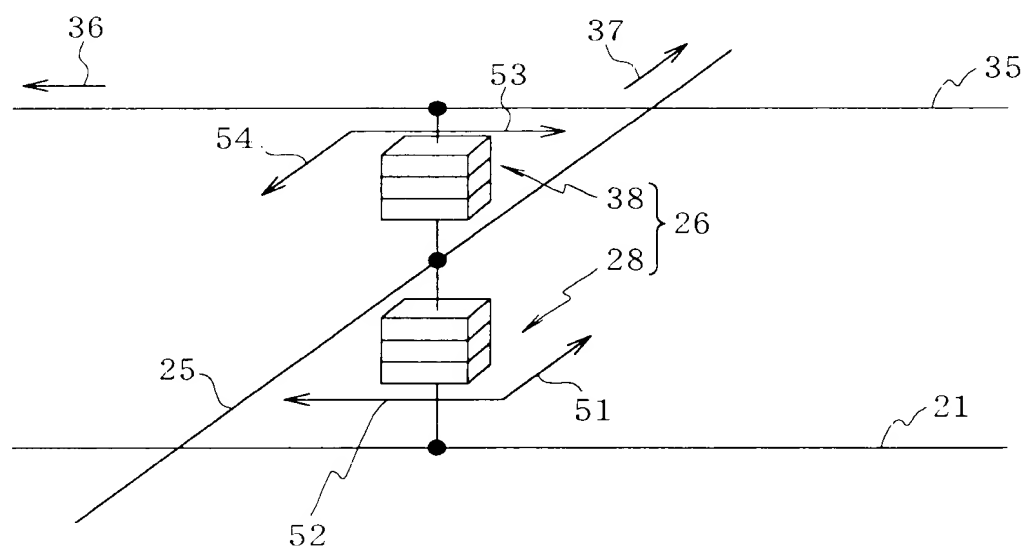
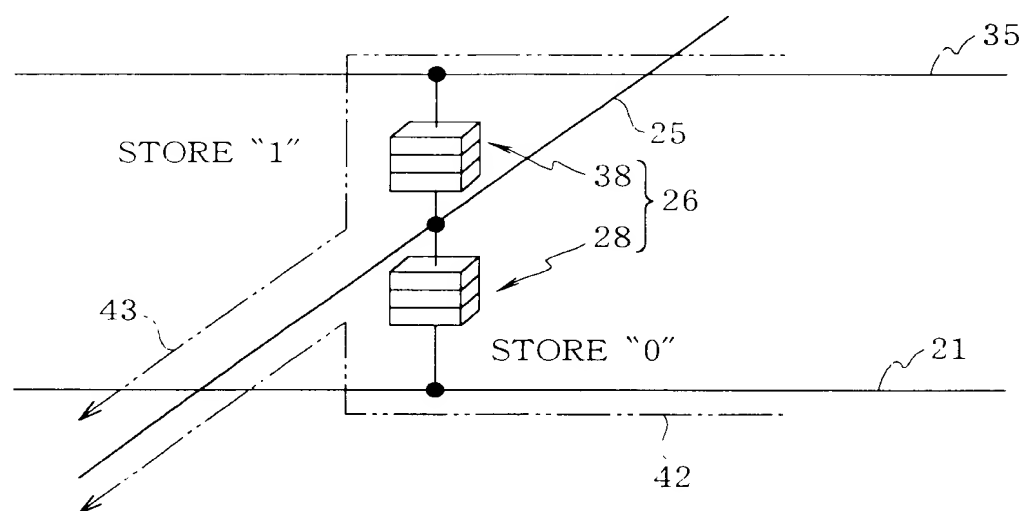
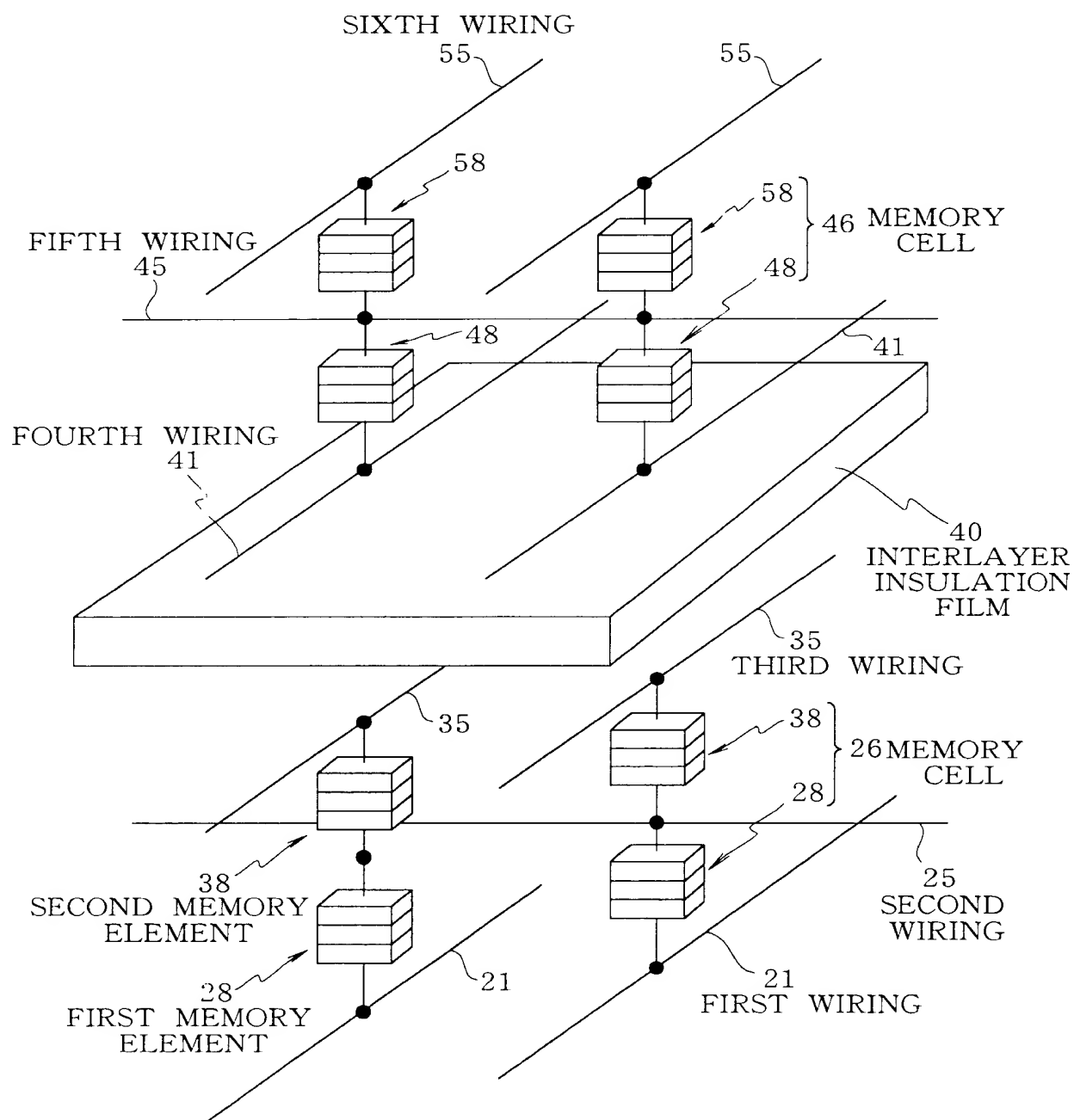


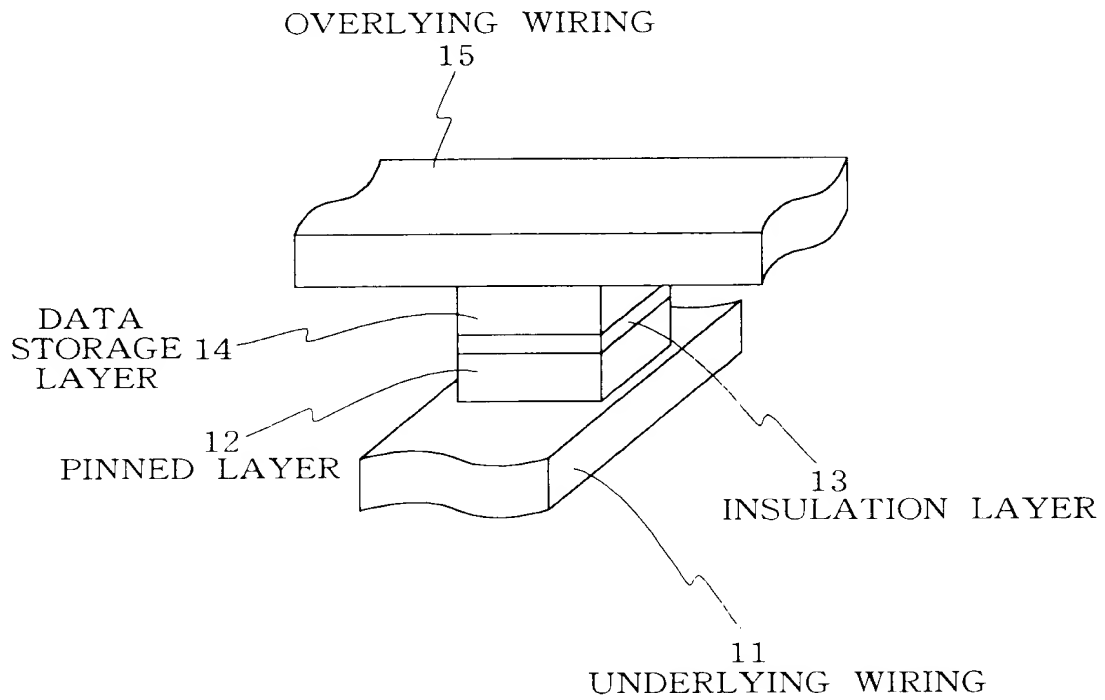
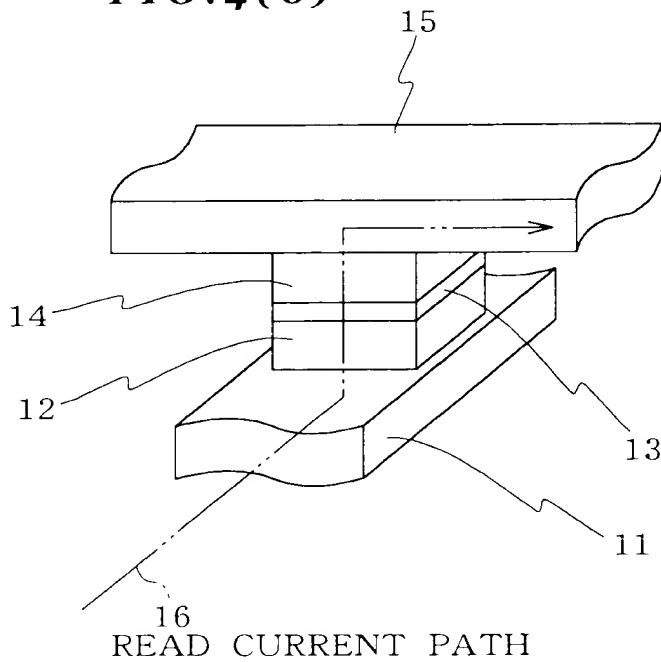
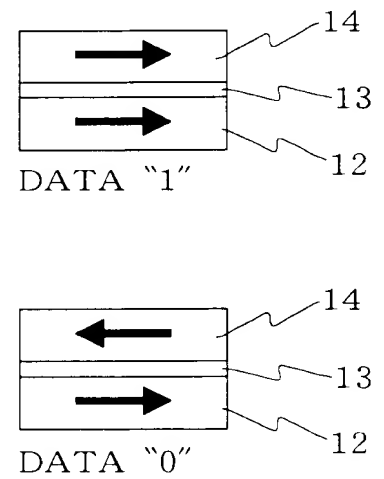
**FIG. 1(a)****FIG. 1(b)**

- 22 : FIRST PINNED LAYER
- 23 : FIRST INSULATION LAYER
- 24 : FIRST DATA STORAGE LAYER
- 32 : SECOND PINNED LAYER
- 33 : SECOND INSULATION LAYER

**FIG. 2(a)****FIG. 2(b)**

- 36 : FIRST DIRECTION
- 37 : SECOND DIRECTION
- 42 : READ CURRENT PATH OF FIRST MEMORY ELEMENT 28
- 43 : READ CURRENT PATH OF SECOND MEMORY ELEMENT 38
- 51 : MAGNETIC FIELD IN FIRST MEMORY ELEMENT 28  
CAUSED BY FIRST WIRING 21
- 52 : MAGNETIC FIELD IN FIRST MEMORY ELEMENT 28  
CAUSED BY SECOND WIRING 25
- 53 : MAGNETIC FIELD IN SECOND MEMORY ELEMENT 38  
CAUSED BY SECOND WIRING 25
- 54 : MAGNETIC FIELD IN SECOND MEMORY ELEMENT 38  
CAUSED BY THIRD WIRING 35

**FIG. 3**

**FIG. 4(a)****FIG. 4(b)****FIG. 4(c)**

**FIG. 5**